

**TECHNICAL AMENDMENTS TO THE CLAIMS:**

**IN THE CLAIMS:**

Please amend Claims 2-4, 20, 22-23, 27, 30, and 43 as indicated hereinbelow.

Please cancel Claims 68-73, 75, 76 and 80 without disclaimer or prejudice to the prosecution of the subject matter of these claims in subsequent divisional or continuation patent applications.

**Listing of Claims:**

1. (Cancelled)
2. (Currently amended) The isolated polynucleotide of claim 3 andor 4, wherein the polynucleotide is a DNA sequence.
3. (Currently amended) An isolated polynucleotide comprising a coding sequence encoding a glutathione transferase (GST) subunit, wherein the coding sequence encodes the amino acid sequence of SEQ ID №.-NO:2.
4. (Currently amended) An isolated polynucleotide encoding a glutathione transferase (GST) subunit, wherein the polynucleotide is coding sequence of comprises the coding sequence of SEQ ID №.-NO:1.
5. (Cancelled)
6. (Cancelled)
7. (Cancelled)

8. (Previously amended) A chimeric gene comprising the polynucleotide according to claim 3 or 4 operably linked to regulatory sequences that allow expression of the coding sequence in a host cell.
9. (Previously amended) The chimeric gene according to claim 8 wherein the regulatory sequences allow expression of the coding sequence in a plant cell.
10. (Previously amended) A vector comprising the polynucleotide according to any one of claims 2 to 4 or the chimeric gene according to claim 8 or 9.
11. (Previously amended) The vector according to claim 10 which is an expression vector.
12. (Previously amended) A cell transfected with the vector according to claim 10.
13. (Previously amended) The cell according to claim 12, wherein the cell is selected from the group consisting of a prokaryotic cell and a plant cell.
14. (Previously amended) A cell, having integrated into its genome, the chimeric gene according to claim 8.
15. (Previously amended) The cell according to claim 14, wherein the cell is a plant cell.
16. (Cancelled)
17. (Cancelled)
18. (Cancelled)
19. (Cancelled)

20. (Currently amended) A method of producing a transgenic plant cell comprising:

- (a) transforming a plant cell with the expression vector according to claim 11 to produce a transgenic plant cell, and optionally,
- (a**b**) transforming the cell with one or more further polynucleotide sequences coding for a GST subunit, operably linked to regulatory elements that allow expression of the subunit in the cell.

21. (Previously amended) A method of producing a first-generation transgenic plant comprising:

- (a) transforming a plant cell with the expression vector according to claim 11 to produce a transformed plant cell; and
- (b) regenerating the transformed plant cell to produce a transgenic plant.

22. (Currently amended) A method of producing a transgenic plant seed comprising:

- (a) transforming a plant cell with the expression vector according to claim 11 to produce a transformed plant cell;
- (b) regenerating the transformed plant cell to produce a transgenic plant; and
- (c**a**) producing a transgenic seed from the transgenic plant ~~so produced by step (a) of claim 21.~~

23. (Currently amended) ~~The A method of claim 21 comprising producing a second or successive generation transgenic progeny plant from a the first-generation transgenic plant produced by the method of claim 21 comprising serially propagating said first-generation transgenic plant through one or more successive generations, and optionally producing transgenic plants of one or more further generations from the second~~

generation progeny plant thus produced.

24. (Cancelled)
25. (Previously amended) A transgenic plant cell produced by the method according to claim 20.
26. (Previously amended) A transgenic plant cell callus comprising the cell according to claim 13.
27. (Currently amended) A transgenic plant cell callus comprising the cell according to claim 13, or produced from a the transgenic plant cell, first-generation plant, plant seed or progeny plant produced from the transgenic plant cell according to of claim 25.
28. (Cancelled)
29. (Previously amended) A nucleic acid construct comprising:
  - (a) the isolated polynucleotide according to claim 3 or 4 operably linked to regulatory elements that allow expression of the coding sequence in a plant cell; and
  - (b) a site into which a further polynucleotide comprising a coding sequence can be inserted.
30. (Currently amended) The nucleic acid construct according to of claim 29, wherein the site of step (b) is bounded by regulatory elements that allow expression of a coding sequence inserted at the site in a plant cell.
31. (Previously amended) A vector comprising the nucleic acid construct according to claim 29.

32. (Previously amended) A method of transforming a plant cell or of producing a plant cell culture or transgenic plant, the method comprising:

- (a) providing an untransformed plant cell which is susceptible to a herbicide whose herbicidal activity is reduced by a dimeric protein comprising two GST subunits;
- (b) transforming the plant cell with the vector according to claim 31;
- (c) cultivating the transformed cell under conditions that allow the expression of the polynucleotide encoding a GST subunit to provide a polypeptide comprising a GST subunit, wherein the polypeptide comprising the GST subunit can form a dimer with another GST subunit; and/or
- (c') regenerating the cell to give a cell culture or plant such that the polynucleotide is expressed to provide a polypeptide comprising a GST subunit, wherein the polypeptide comprising the GST subunit can form a dimer with another GST subunit;
- (d) contacting the cell, cell culture or plant with the herbicide whose herbicidal activity is reduced by the dimeric protein, and to which the untransformed plant cell was susceptible; and
- (e) selecting cells, cell cultures or plants that are less susceptible to the herbicide than are corresponding untransformed cells, cell cultures or plants.

33-42. (Cancelled)

43. (Currently amended) A method of controlling the growth of weeds at a locus where a transgenic first-generation plant or transgenic progeny plant produced from the transgenic plant cell of according to claim 25 is being cultivated, which said method comprises

comprising applying to the locus a herbicide whose herbicidal properties are reduced by a dimeric GST protein.

44-76. (Cancelled)

77. (Previously added) A first generation transgenic plant produced by the method according to claim 21.

78. (Previously added) A plant seed or progeny plant produced by the a method according to claim 22.

79-80. (Cancelled)